ICS Part 2 Mathematics Chapter 5 Test Online

Sr	Questions	Answers Choice
1	The feasible solution, which maximizes or minimizes the objective function, is called the _____:	A. Maximum solution B. Optimal solution C. Minimum solutions D. None of these
2	Question Image	A. At B. Not on C. On D. None of these
3	There are _____ ordered pairs that satisfy the inequality ax + by > c.	A. Finitely many B. Two C. Infinitely many D. Four
4	ax + b > c is an inequality of:	A. One variable B. Three variable C. Two variable D. Four variable
5	Non-vertical lines divide the plane into_____half plane:	A. Upper and lower B. Many C. Left and Right D. None of these
6	Question Image	A. One variable B. Three variable C. Two variable D. Four variable
7	The feasible region is _____ if it can easily by enclosed within a circle.	A. Bounded B. Exist C. Unbounded D. None of these
8	The graph of 2x + y < 2 is the open half plane which is _____ the origin side of 2x + y = 2:	A. At B. Not an C. On D. None of these
9	The inequality x < a is the open half plane to the _____ of the boundary line x = a:	A. Above B. Left C. Below D. Right
10	A solution of a linear inequality in x and y is an ordered pair of numbers, which _____ the inequality.	A. Does not satisfy B. May be stisfied C. Satisfies D. None of these
11	A region, which is restricted to the _____ quadrant, is referred to as a feasible region for the set of given contraints.	A. First B. Third C. Second D. Fourth
12	Question Image	A. (1, 1) B. (1, 3) C. (1, 4) D. (1, 5)
13	x = 2 is a vertical line perpendicular to _____:	A. x - axis B. x - axis may be C. y - axis D. None of these
14	A corner point is the point of intersection of:	A. x-axis & y - axis B. Boundary lines C. Any two lines D. None
15	Question Image	A. Above B. Left C. Below D. Right

16	x = 4 is the solution of inequality:	A. x + 3 > 0 B. x - 3 < 0 C. -2x + 3 > 0 D. x + 3 < 0
17	There are _____ feasible solutions in the feasible region:	A. Finitely B. Two C. Infinitely many D. Three
18	The system of _____ involved in the problem concerned is called problem constraints:	A. Linear inequalities B. Equations C. Linear equalities D. None of these
19	A line which divides a plane into two parts is called:	A. Boundary point B. Boundary line C. Feasible line D. None
20	The inequality y > b is the open half plane to the _____ of the boundary line y = b:	A. Above B. Left C. Below D. Right